

Claims

1. A compression connector for securing wires therein, the compression connector comprising:

a first section having a first body portion and a first end wall, the first body portion having a first hook and a first ramp extending therefrom to form a main wire port, the first body portion further having a first tap wire port and a second tap wire port adjacent the first end wall, wherein a first angled collapsible link is defined between the first tap wire port and the second tap wire port; and

a second section having a second body portion and a second end wall, the second body portion having a second hook and a second ramp extending therefrom to form a second main wire port, the second body portion further having a third tap wire port and a fourth tap wire port adjacent the second end wall, wherein a second angled collapsible link is defined between the third tap wire port and the fourth tap wire port.

2. The compression connector of claim 1 wherein a central body portion connects the first section and the second section.

3. The compression connector of claim 2 further comprising a first slot extending between the first section and the second section on a first side thereof, and a second slot extending between the first section and the second section on a second side thereof, wherein the first slot and the second slot receive a cable tie for securing wires therein before crimping.

4. The compression connector of claim 1 wherein each of the first, second, third and fourth tap wire ports are teardrop-shaped.

5. The compression connector of claim 1 wherein each of the first, second, third and fourth tap wire ports are substantially the same size.

6. The compression connector of claim 1 wherein the first tap wire port is larger than the second tap wire port, and the third tap wire port is larger than the fourth tap wire port.

7. The compression connector of claim 1 comprising a first retention tab and a second retention tab, wherein the first retention tab and the second retention tab retain tap wires in the first tap wire port and the second tap wire port, respectively.

8. The compression connector of claim 7 comprising a first groove and a second groove, wherein the first groove is positioned between the first retention tab and the first ramp, and the second groove is positioned between the second retention tab and the first hook.

9. The compression connector of claim 7 further comprising a third retention tab and a fourth retention tab, wherein the third retention tab and the fourth retention tab retain tap wires in the third tap wire port and the fourth tap wire port, respectively.

10. The compression connector of claim 9 comprising a third groove and a fourth groove, wherein the third groove is positioned between the third retention tab and the second ramp, and the fourth groove is positioned between the fourth retention tab and the second hook.

11. A compression connector for securing wires therein, the compression connector comprising:

a first body portion having a first hook and a first ramp extending therefrom to form a first main wire port, and a second hook and a second ramp extending therefrom to form a second main wire port, the first body portion further having a first side tap wire port and a second side tap wire port opposite thereto, wherein a first angled crumple zone is defined between the first side tap wire port and the second side tap wire port; and

a second body portion having a third hook and a third ramp extending therefrom to form a third main wire port, and a fourth hook and a fourth ramp extending therefrom to form a fourth main wire port, the second body portion further having a third side tap wire port and a fourth side tap wire port opposite thereto, wherein a second angled crumple zone is defined between the third side tap wire port and the fourth side tap wire port.

12. The compression connector of claim 11 wherein a central body portion connects the first body portion and the second body portion.

13. The compression connector of claim 12 further comprising a first slot extending between the first body portion and the second body portion on a first side

thereof, and a second slot extending between the first body portion and the second body portion on a second side thereof, wherein the first slot and the second slot receive a cable tie for securing wires therein before crimping.

14. The compression connector of claim 11 wherein the first side tap wire port is positioned between the first hook and the second ramp, and the second side tap wire port is positioned between the first ramp and the second hook.

15. The compression connector of claim 11 wherein the first side tap wire port and the second side tap wire port are substantially the same size.

16. The compression connector of claim 11 wherein the third side tap wire port is positioned between the third hook and the fourth ramp, and the fourth side tap wire port is positioned between the third ramp and the fourth hook.

17. The compression connector of claim 11 wherein the third side tap wire port and the fourth side tap wire port are substantially the same size.